Abstract of the Disclosure

A wearable display system having a display panel to output a signal processed in a predetermined way. The system includes at least one waveguide to guide propagation of at least one signal output from at least one display panel, a plurality of gratings to diffract the at least one signal propagating through the at least one waveguide, and at least one magnifying lens to magnify the at least one signal diffracted by the gratings. A lightweight and compact wearable display system is realized by minimizing the number of optical components, and the complexity and cost of manufacturing the display system is reduced. In addition, the display system is produced on a large scale by incorporating a waveguide, gratings and an eyepiece into one single body, and further, chromatic aberration is removed by conjugate gratings.